RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/764,921_

Source: _FWO_

Date Processed by STIC: _2/11/04_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

<u>ERROR DETECTED</u> <u>SUGGESTED CORRECTION</u> SERIAL NUMBER: 10/764,921

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
prevent "wrapping."

2_____Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3_____Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
Numbering   use space characters, instead.

4_____Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
ensure your subsequent submission is saved in ASCII text.

5_____Variable Length   Sequence(s)_____contain n's or Xaa's representing more than one residue. Per Sequence Rules,
each n or Xaa can only represent a single residue. Please present the maximum number of each
residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
"bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
Artificial or Unknown sequences.

7_____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
(NEW RULES)   <210> sequence id number
<400> sequence id number
000

9_____Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10_____Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
is Artificial Sequence

11_____Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
"Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12_____PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
"bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13_____Misuse of n/Xaa   "n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u>
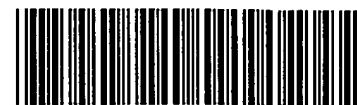
RAW SEQUENCE LISTING   DATE: 02/11/2004
PATENT APPLICATION: US/10/764,921   TIME: 10:01:40

Input Set : **A:\19907YIACB.TXT**
Output Set: **N:\CRF4\02062004\J764921.raw**

```
 4 <110> APPLICANT: Volkin, David B.
 5         Evans, Robert K.
 6         Ulmer, Jeffrey B.
 7         Caulfield, Michael J.
 9 <120> TITLE OF INVENTION: POLYNUCLEOTIDE VACCINE FORMULATIONS
12 <130> FILE REFERENCE: 19907YIACB
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C--> 14 **<140> CURRENT APPLICATION NUMBER: US/10/764,921**
C--> 14 **<141> CURRENT FILING DATE: 2004-01-26**
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14 <150> PRIOR APPLICATION NUMBER: 09/950,844
15 <151> PRIOR FILING DATE: 2001-09-12
17 <150> PRIOR APPLICATION NUMBER: 09/112,655
18 <151> PRIOR FILING DATE: 1998-07-09
20 <150> PRIOR APPLICATION NUMBER: 09/023,834
21 <151> PRIOR FILING DATE: 1998-02-13
23 <150> PRIOR APPLICATION NUMBER: 60/038,194
24 <151> PRIOR FILING DATE: 1997-02-14
26 <160> NUMBER OF SEQ ID NOS: 14
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 23
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Oligonucleotide
38 <400> SEQUENCE: 1
39 ctatataagc agagctcgtt tag                                    23
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 30
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Oligonucleotide
49 <400> SEQUENCE: 2
50 gtagcaaaga tctaaggacg gtgactgcag                             30
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 39
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Oligonucleotide
60 <400> SEQUENCE: 3
61 gtatgtgtct gaaaatgagc gtggagattg ggctcgcac                  39
63 <210> SEQ ID NO: 4
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RAW SEQUENCE LISTING   DATE: 02/11/2004
PATENT APPLICATION: US/10/764,921   TIME: 10:01:40

Input Set : **A:\19907YIACB.TXT**
Output Set: **N:\CRF4\02062004\J764921.raw**

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65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Oligonucleotide
71 <400> SEQUENCE: 4
72 gtgcgagccc aatctccacg ctcattttca gacacatac                    39
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 78
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Oligonucleotide
82 <400> SEQUENCE: 5
83 gatcaccatg gatgcaatga agagagggct ctgctgtgtg ctgctgctgt gtggagcagt 60
84 cttcgtttcg cccagcga                                           78
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 78
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Oligonucleotide
94 <400> SEQUENCE: 6
95 gatctcgctg ggcgaaacga agactgctcc acacagcagc agcacacagc agagccctct 60
96 cttcattgca tccatggt                                           78
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 33
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Oligonucleotide
106 <400> SEQUENCE: 7
107 ggtacaaata ttggctattg gccattgcat acg                          33
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 36
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Oligonucleotide
117 <400> SEQUENCE: 8
118 ccacatctcg aggaaccggg tcaattcttc agcacc                       36
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 38
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Oligonucleotide
128 <400> SEQUENCE: 9
129 ggtacagata tcggaaagcc acgttgtgtc tcaaaatc                     38
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RAW SEQUENCE LISTING   DATE: 02/11/2004
PATENT APPLICATION: US/10/764,921   TIME: 10:01:40

                Input Set : A:\19907YIACB.TXT
                Output Set: N:\CRF4\02062004\J764921.raw

131 <210> SEQ ID NO: 10
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133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
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137 <223> OTHER INFORMATION: Oligonucleotide
139 <400> SEQUENCE: 10
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142 <210> SEQ ID NO: 11
143 <211> LENGTH: 39
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Oligonucleotide
150 <400> SEQUENCE: 11
151 ggtacatgat cacgtagaaa agatcaaagg atcttcttg   39
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 35
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Oligonucleotide
161 <400> SEQUENCE: 12
162 ccacatgtcg acccgtaaaa aggccgcgtt gctgg   35
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 9
166 <212> TYPE: PRT
167 <213> ORGANISM: Peptide
169 <400> SEQUENCE: 13
170 Thr Tyr Gln Arg Thr Arg Ala Leu Val
171 1   5
174 <210> SEQ ID NO: 14
175 <211> LENGTH: 12
176 <212> TYPE: PRT
177 <213> ORGANISM: Peptide
179 <400> SEQUENCE: 14
180 Ile Pro Gln Ser Leu Asp Ser Trp Trp Tyr Ser Leu
181 1   5   10

[handwritten annotations:] — mandatory), the <213> (other Responses Are either Artificial/Unknown on Genus/species. please see item # 10 on the error summary sheet.

— Same error

VERIFICATION SUMMARY   DATE: 02/11/2004
PATENT APPLICATION: **US/10/764,921**   TIME: 10:01:41

Input Set : **A:\19907YIACB.TXT**
Output Set: **N:\CRF4\02062004\J764921.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date